

FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

01-23-04 04:50:30.04

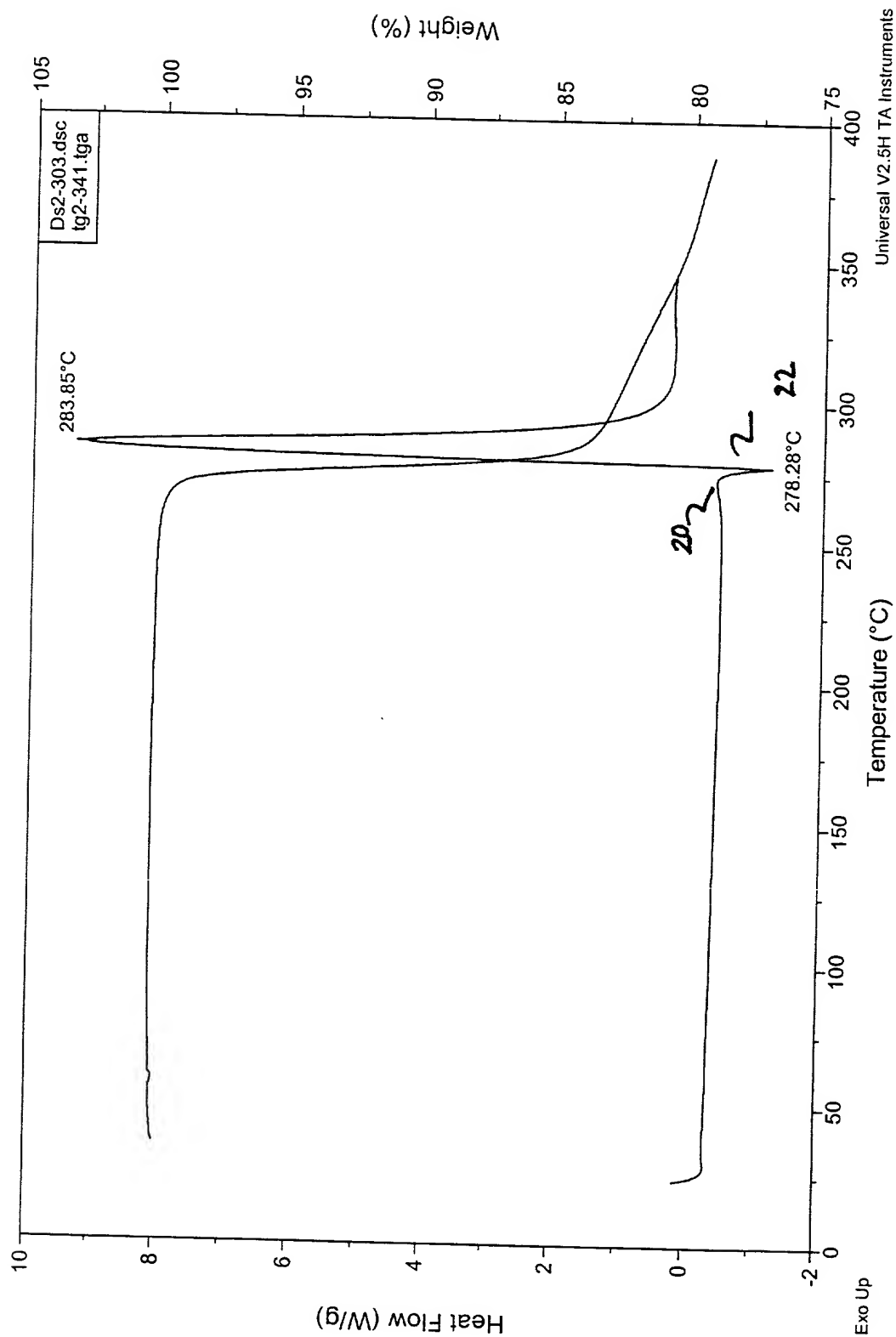


FIG. 2

20120-06503007

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:08:50 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

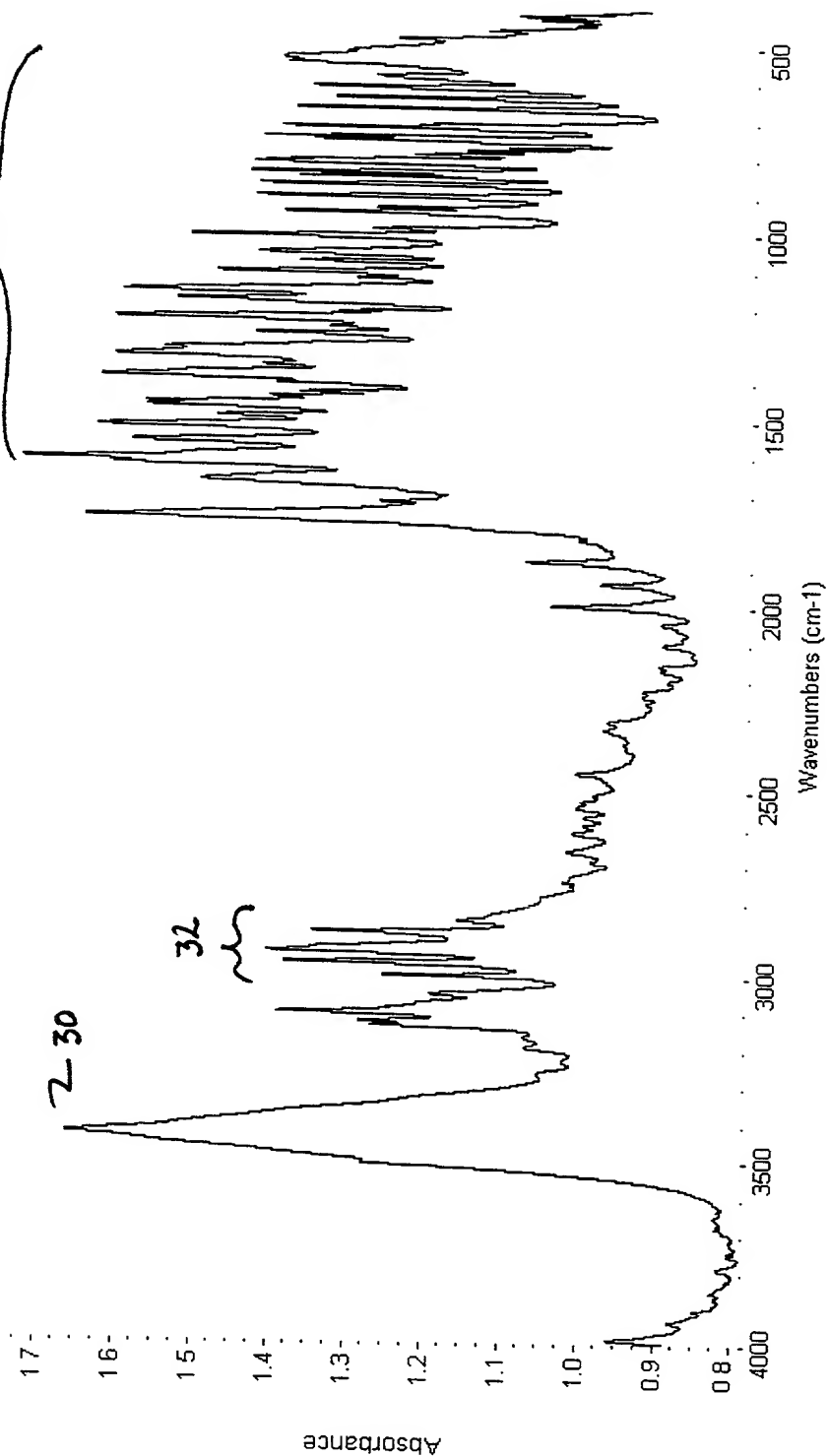


FIG. 3

201204050301

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 32.0  
Mirror velocity: 0.3165  
Aperture: 59.00

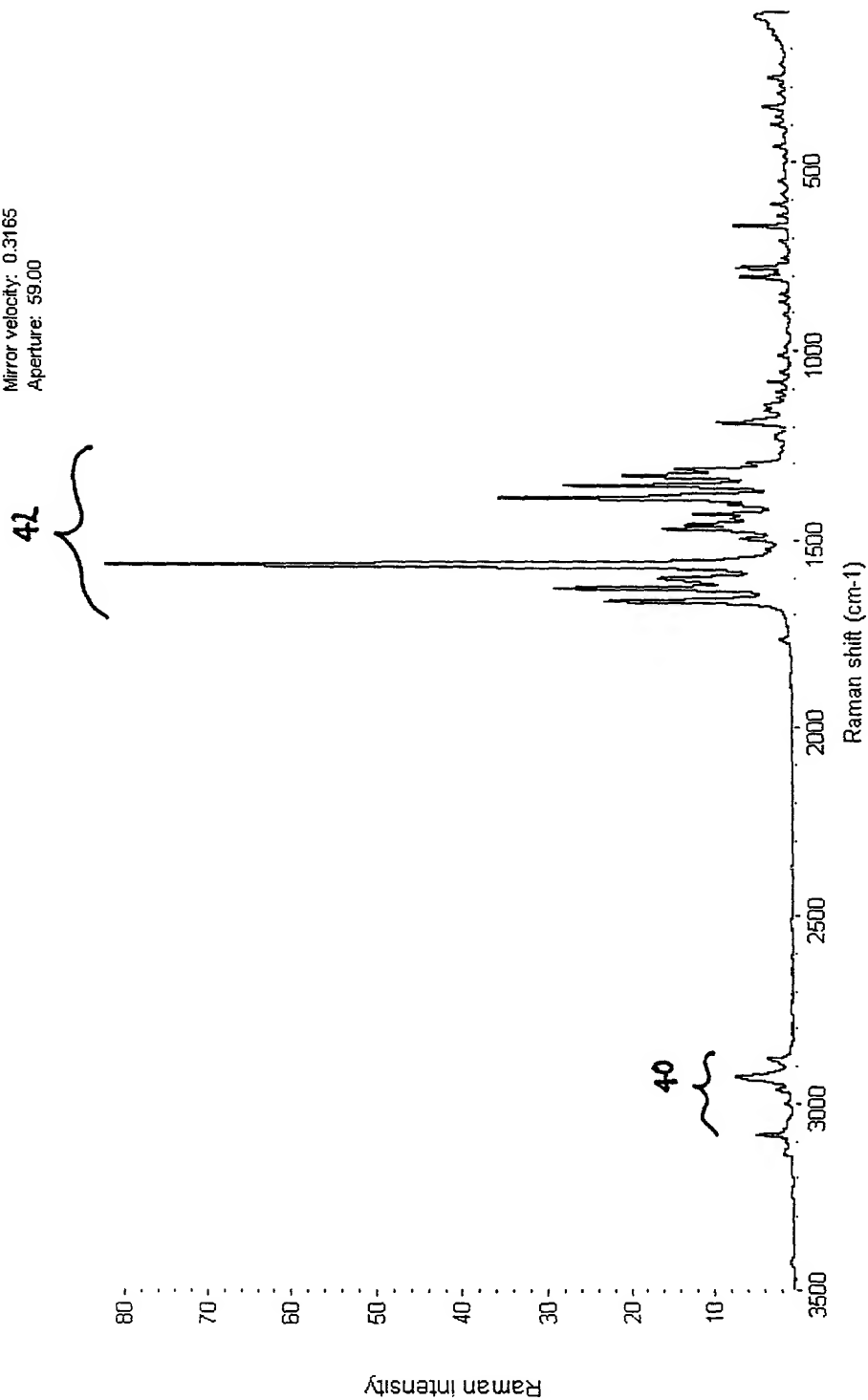


FIG. 4

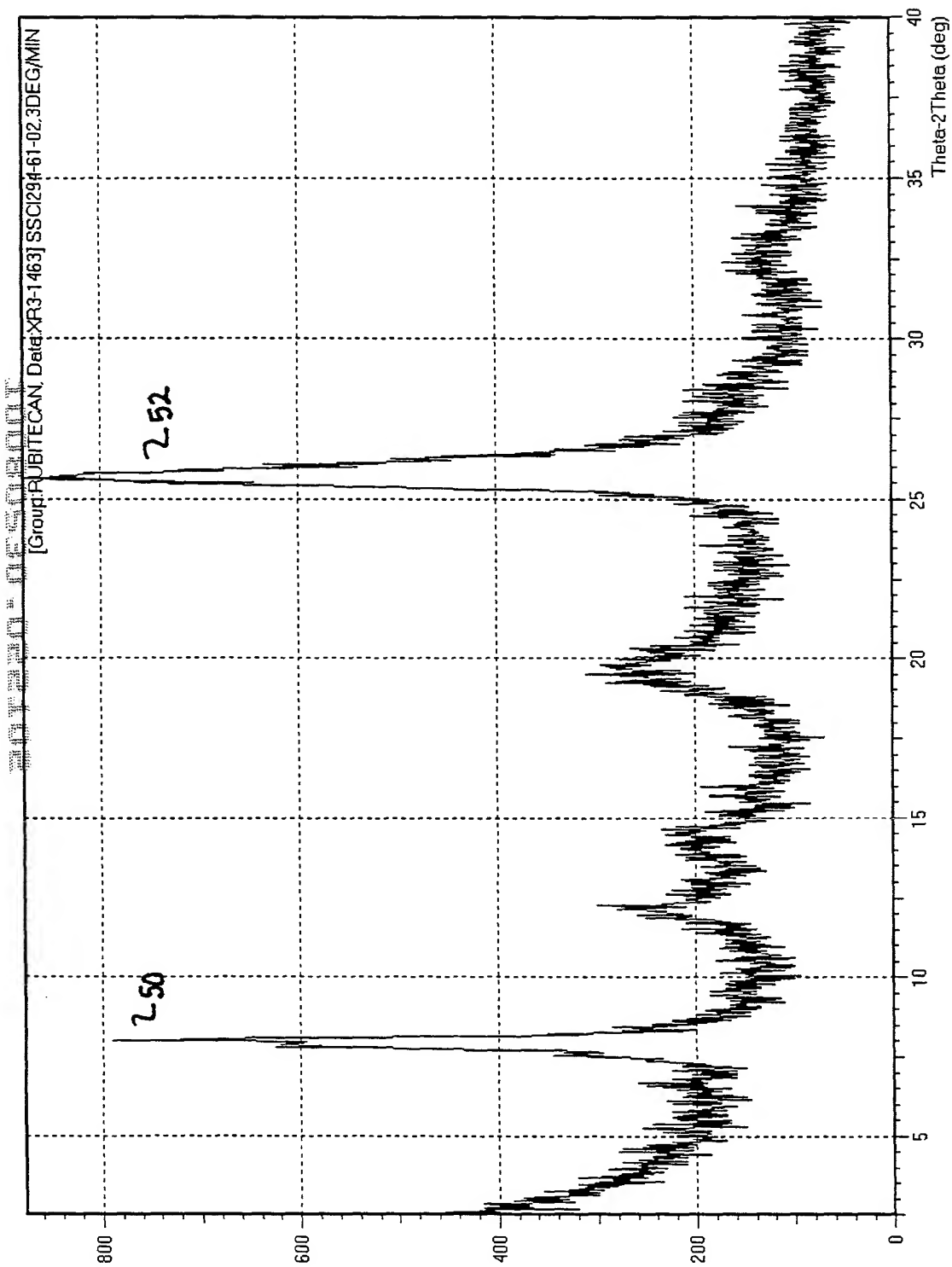


FIG. 5

# DSC (bottom) and TGA (top) of Rubitecan Form B.

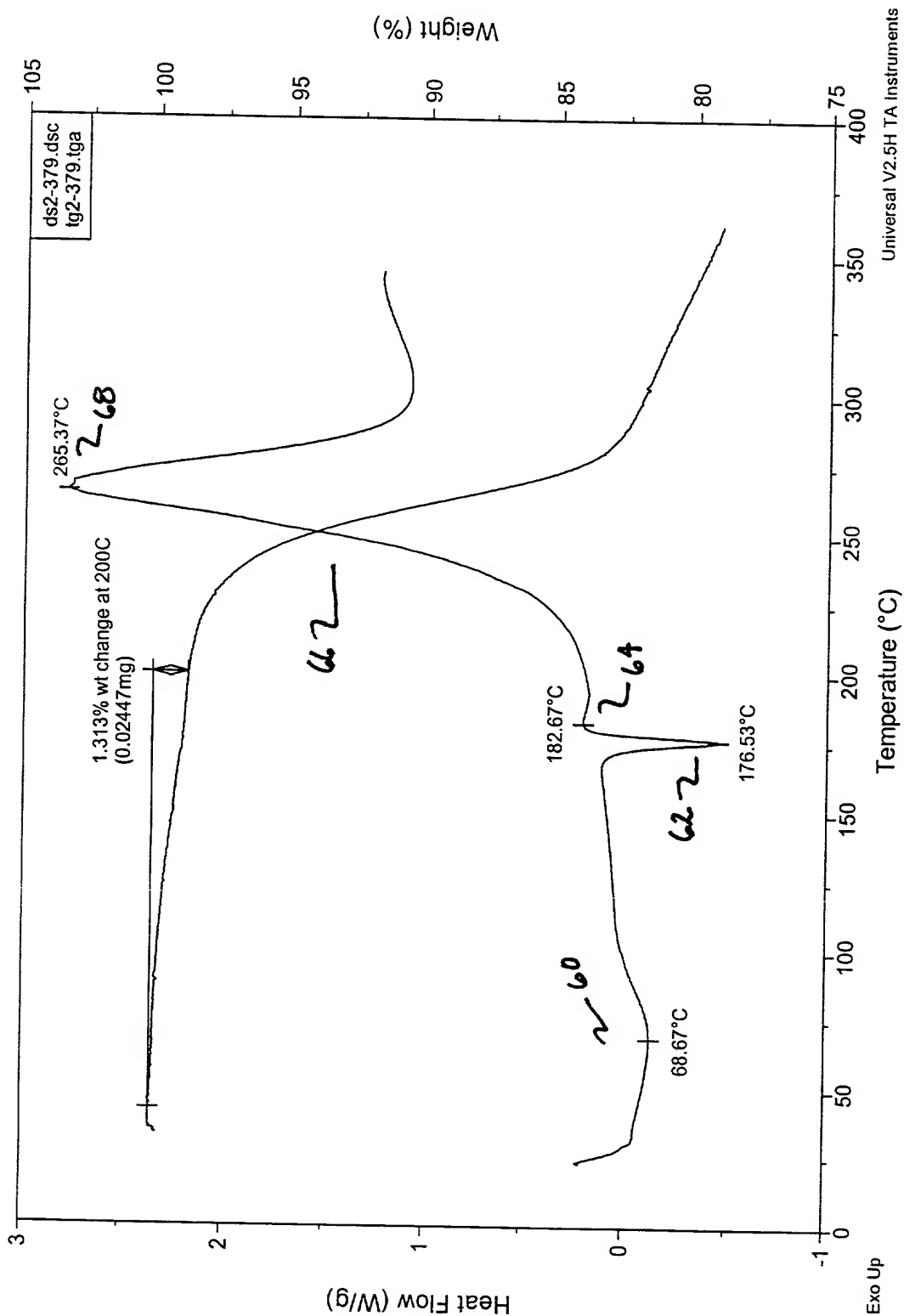


FIG. 6

20120206503007

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:31:51 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

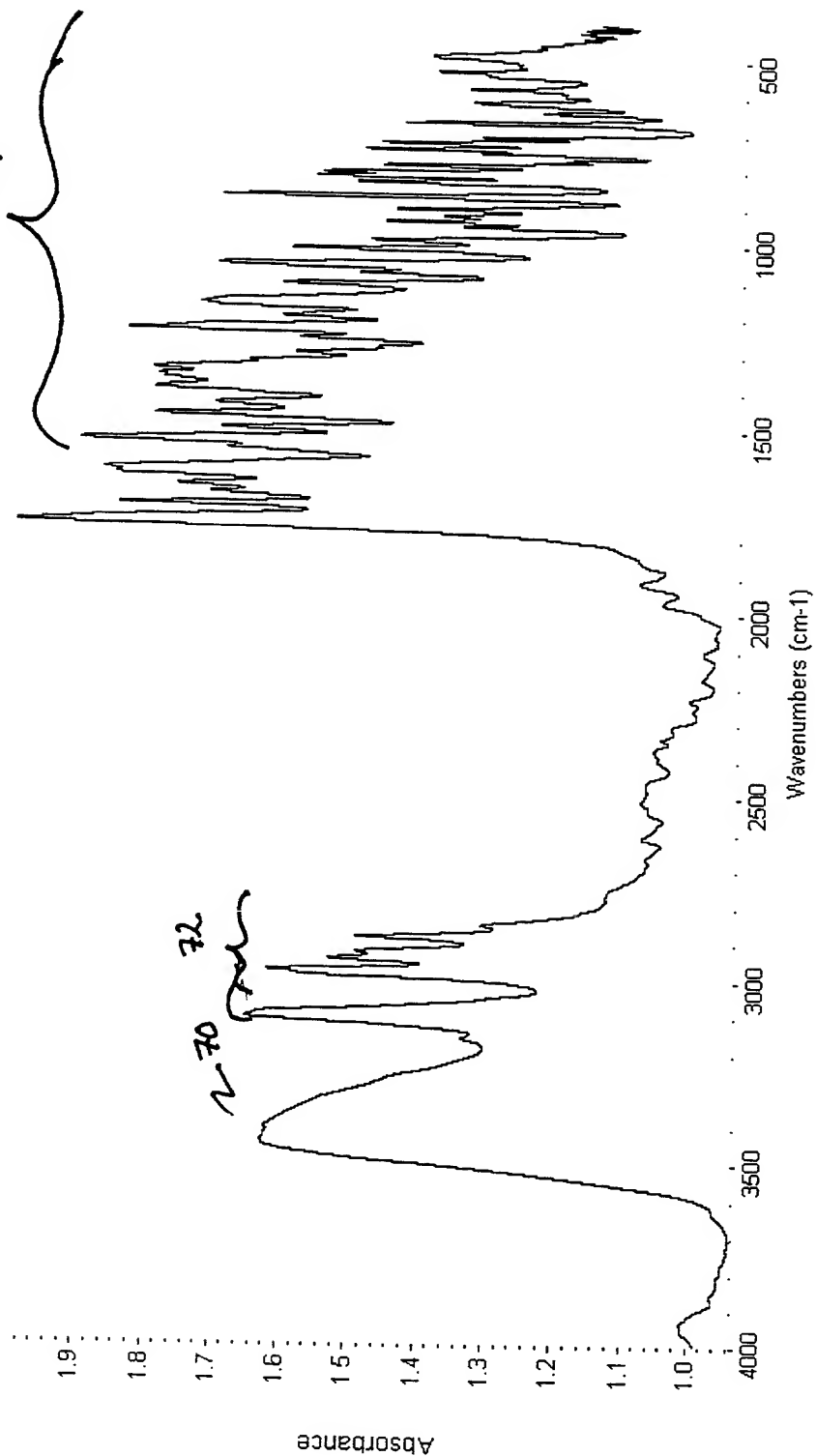


FIG. 7

001220 035000T

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

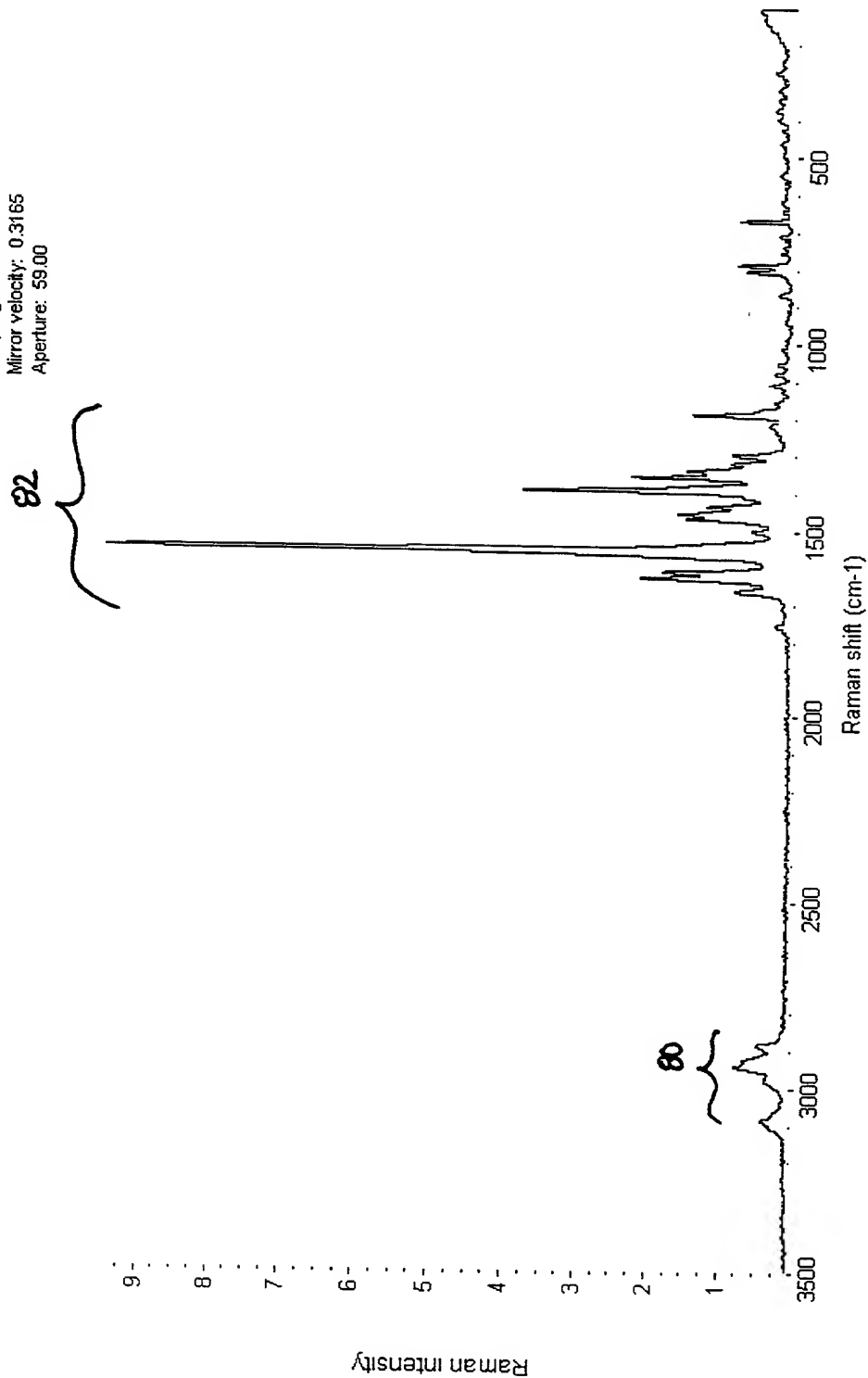


FIG. 8



2012090508001

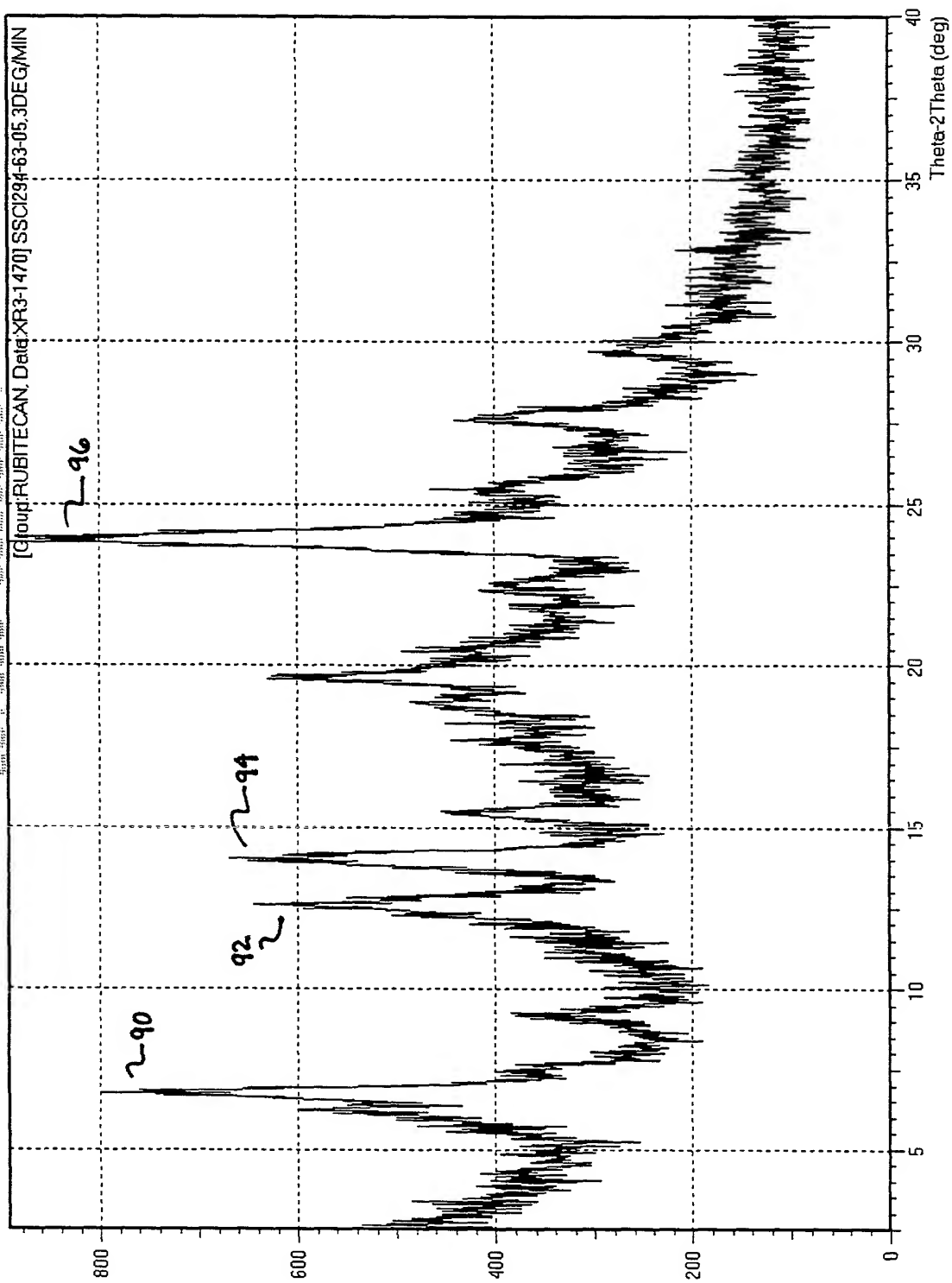


FIG. 9

# DSC (bottom) and TGA (top) of Rubitecan Form C.

004220 00600001

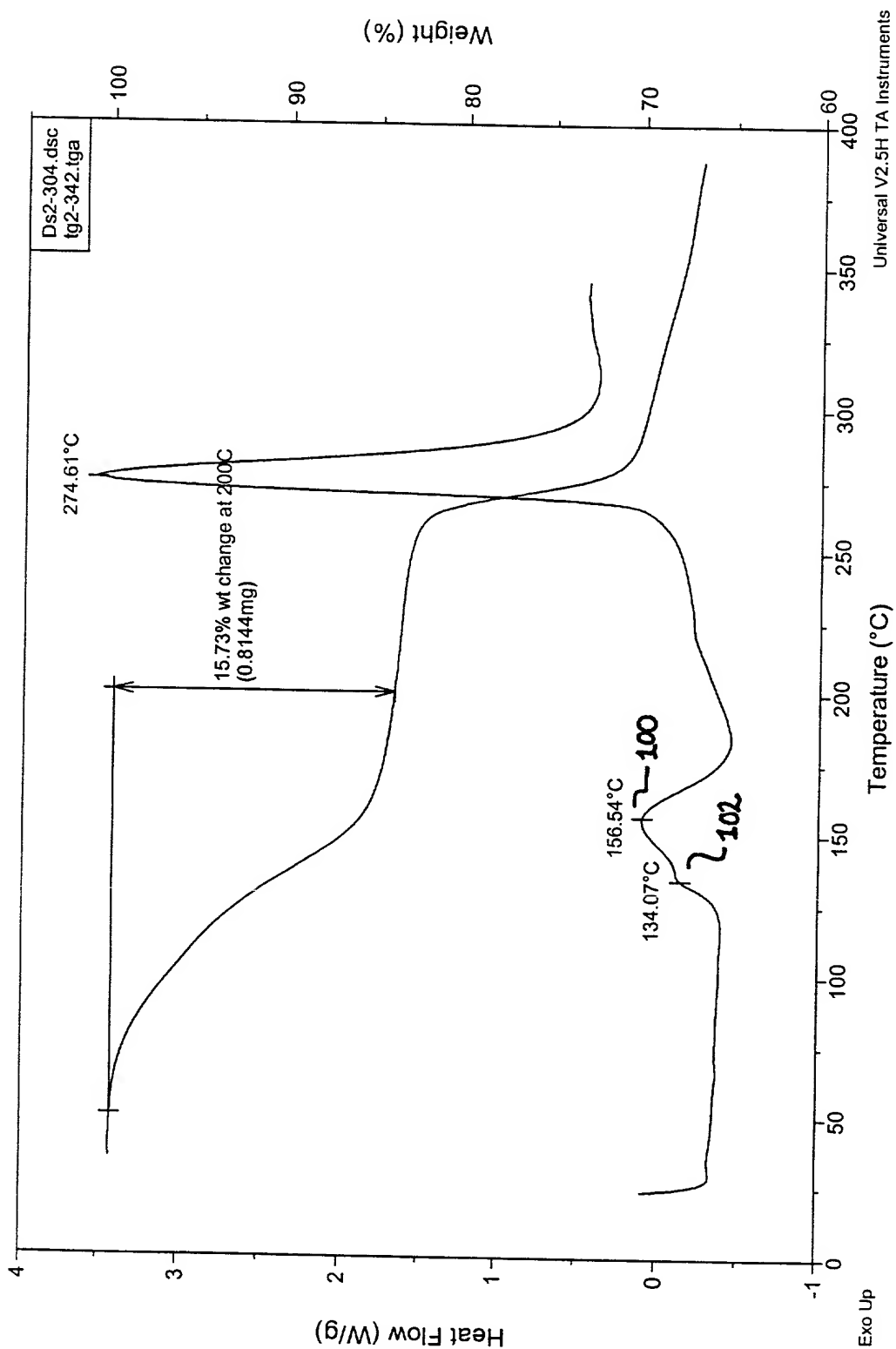


FIG. 10

201202060800T

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:40:03 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

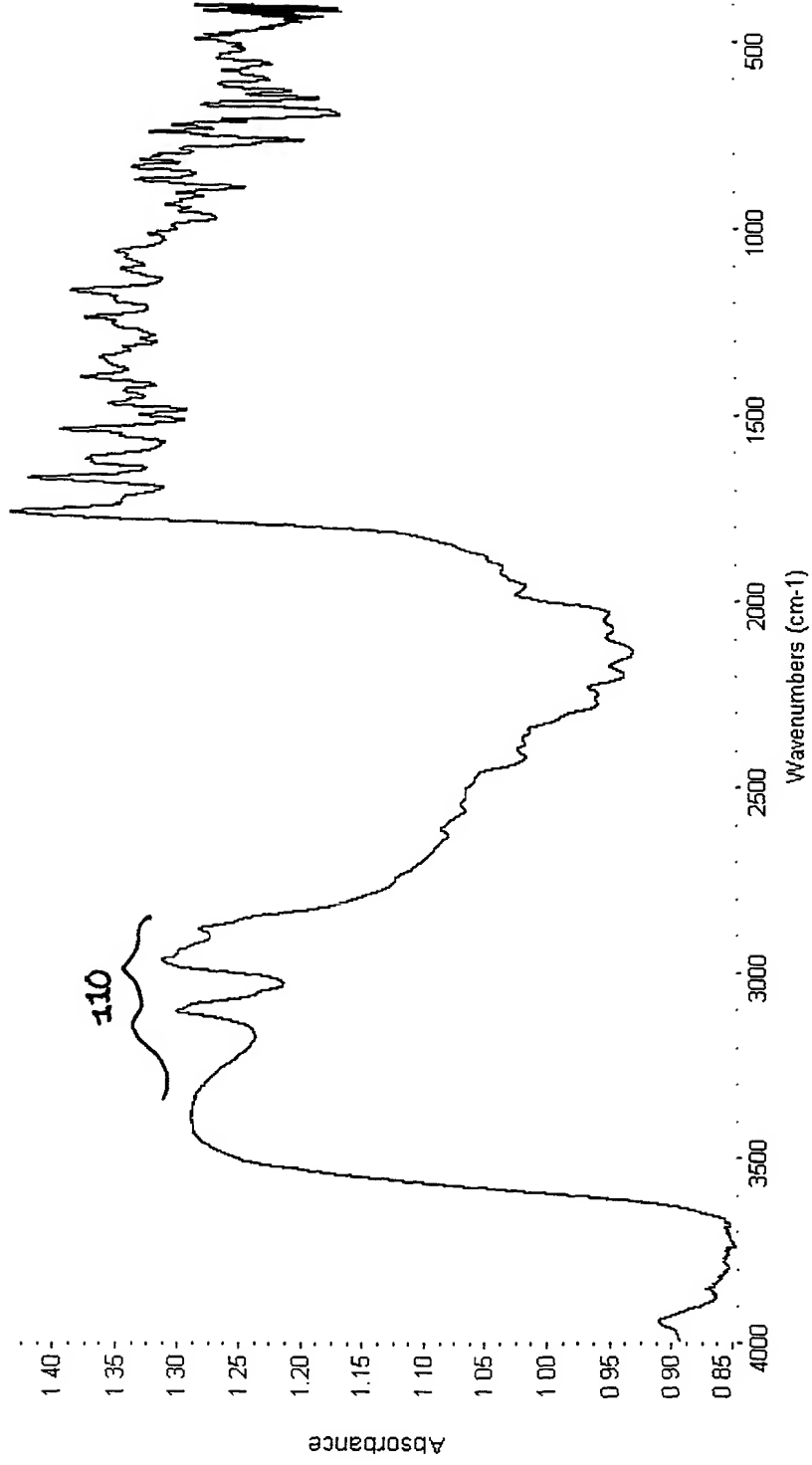


FIG. 11

2012022906503001

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

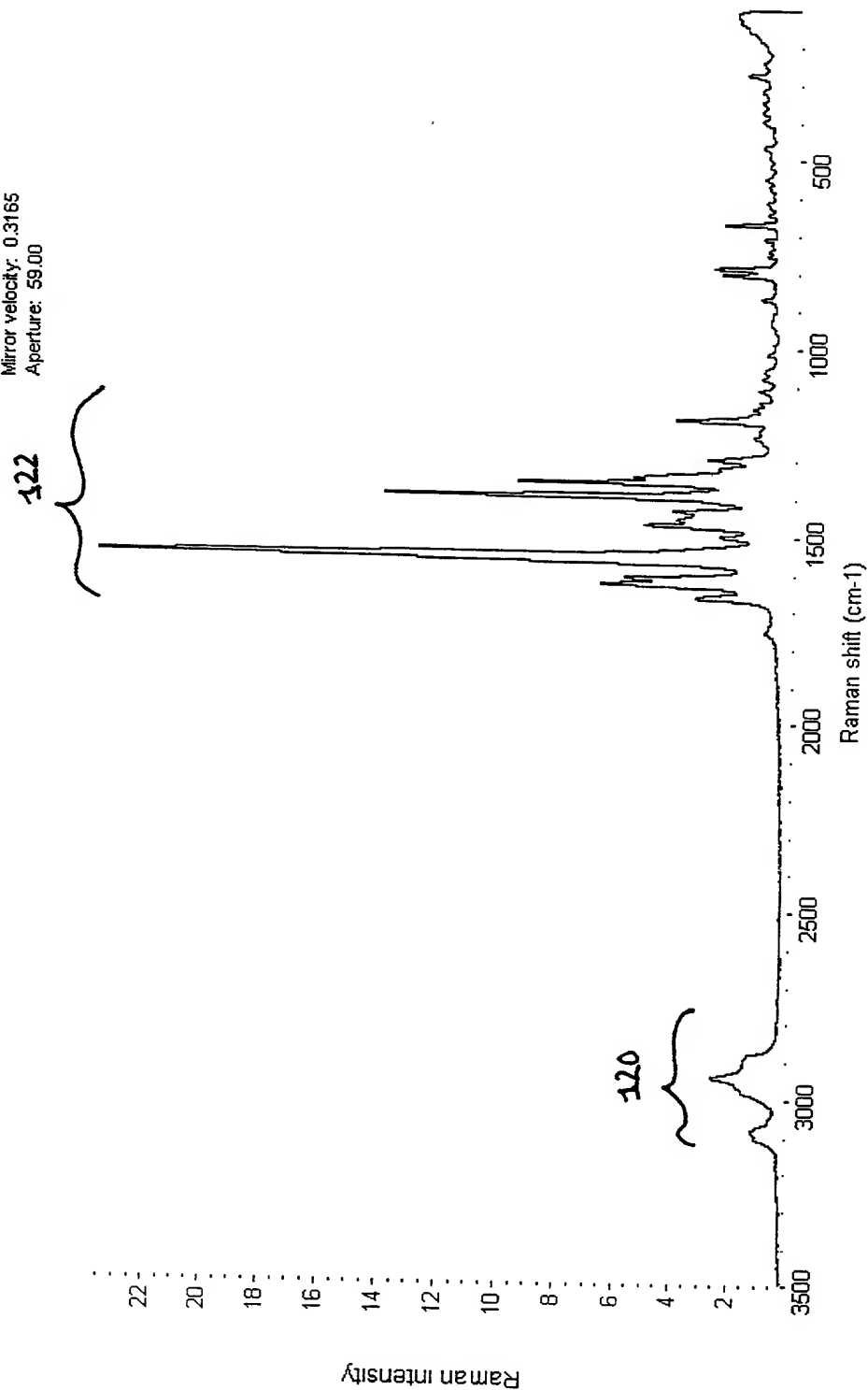


FIG. 12

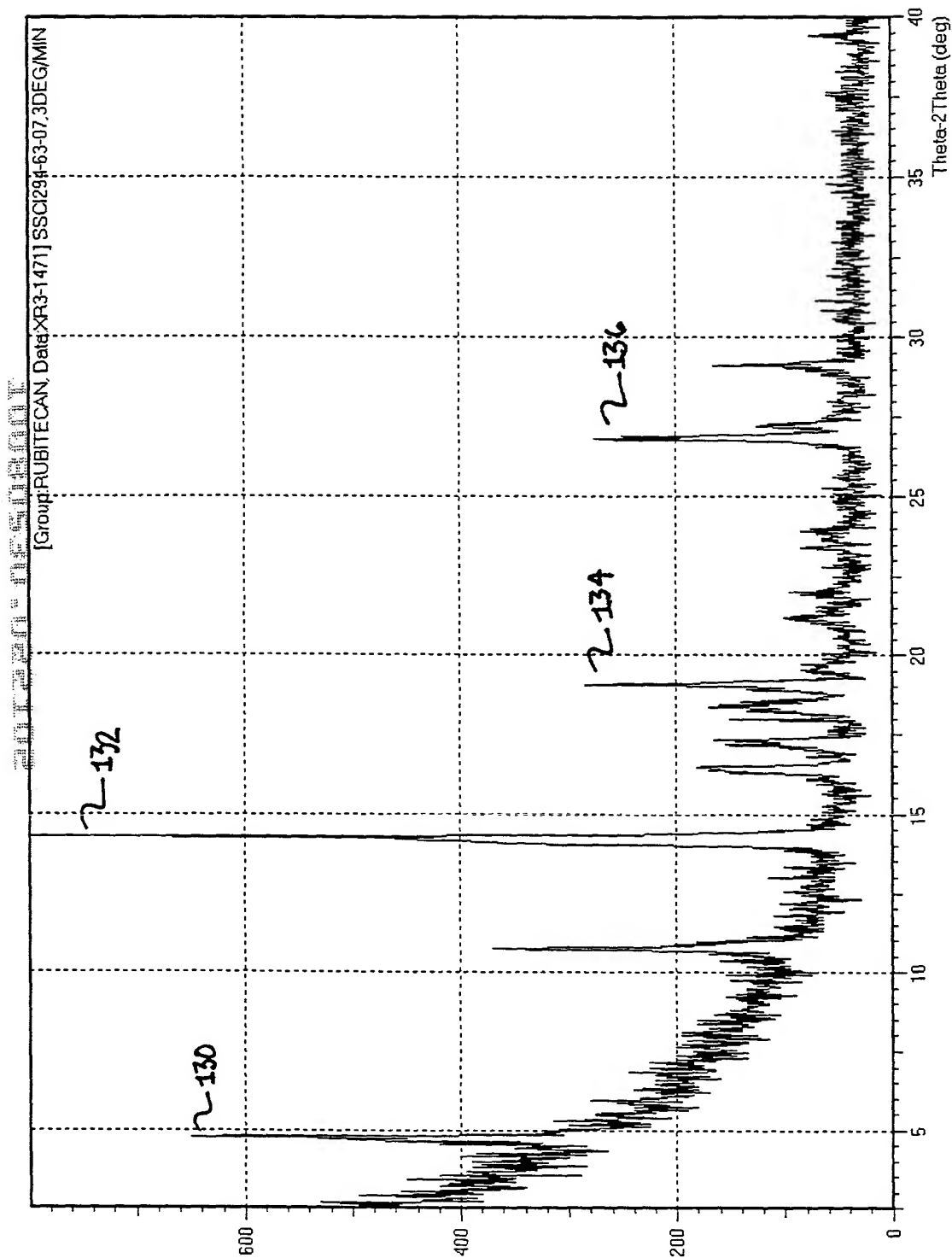


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.

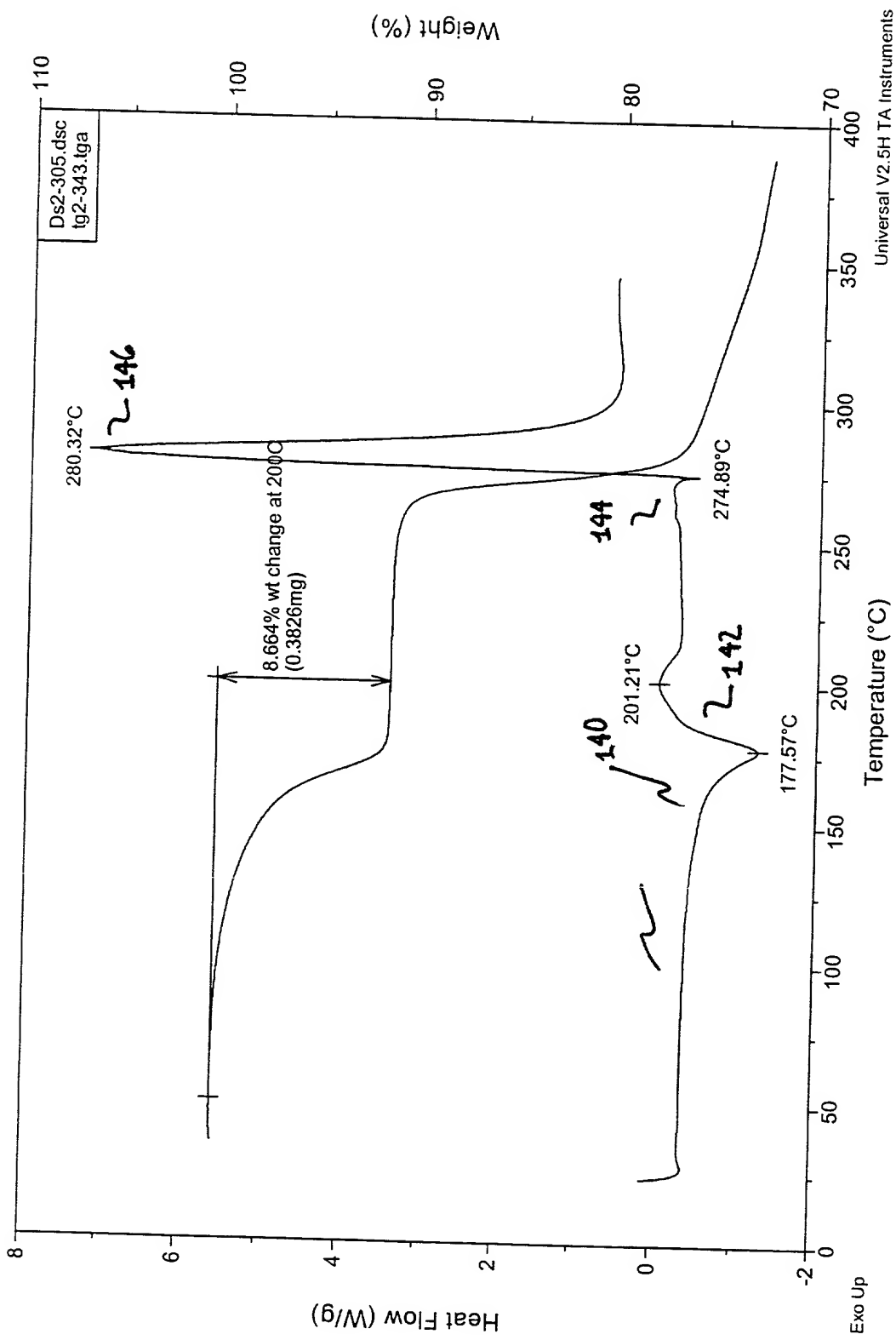


FIG. 14

001220-06508001

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

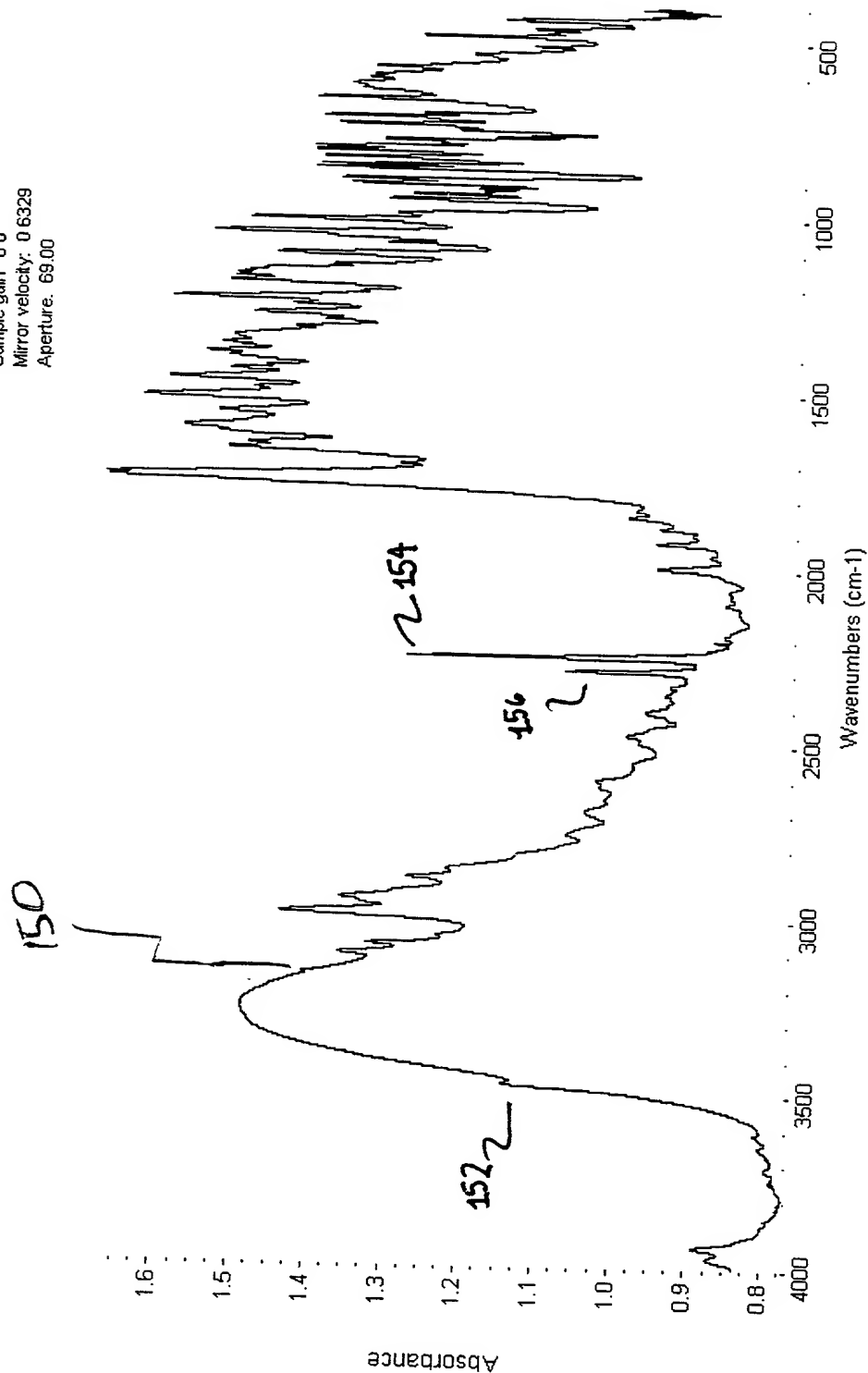


FIG. 15

001420 045000

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

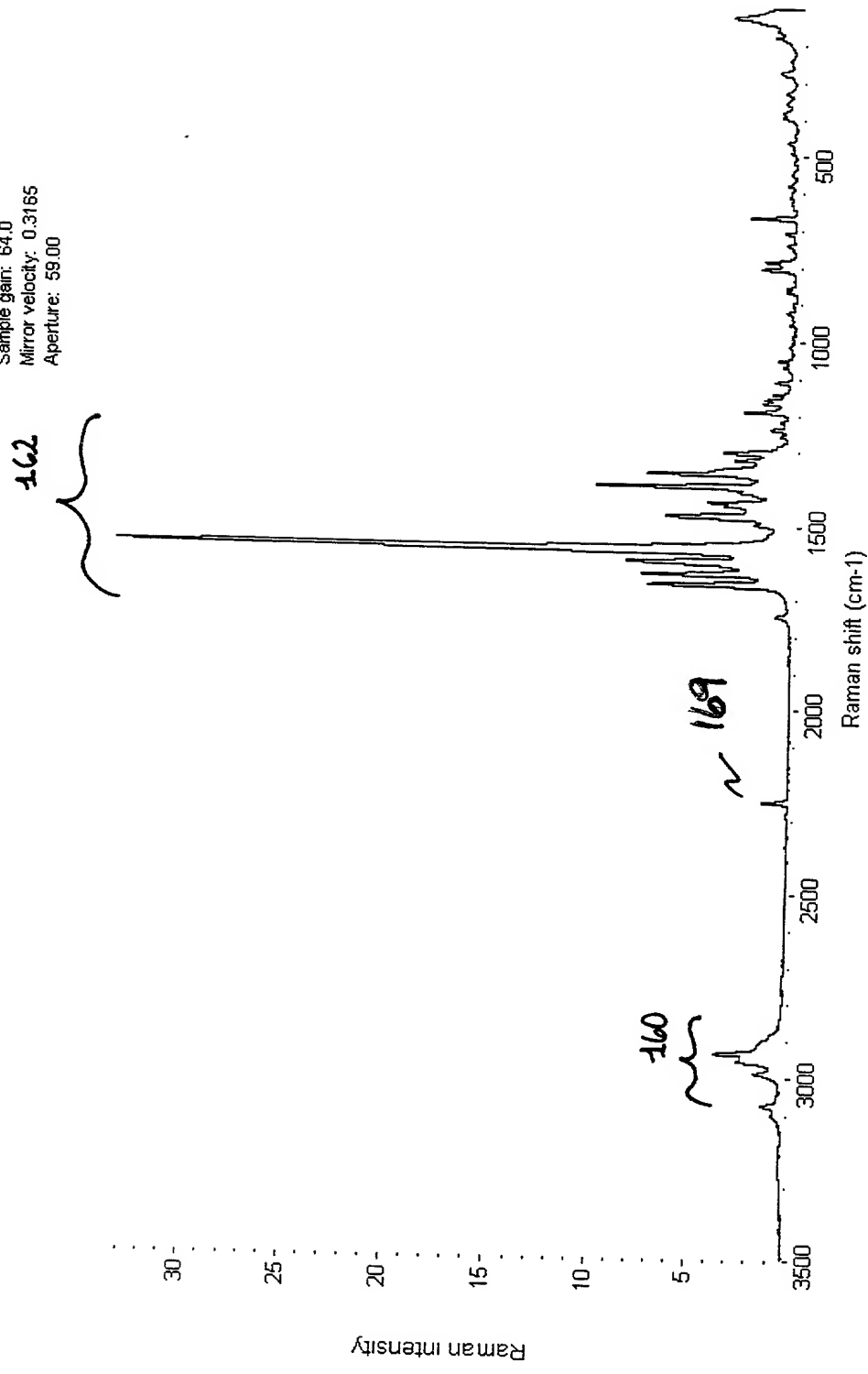


FIG. 16



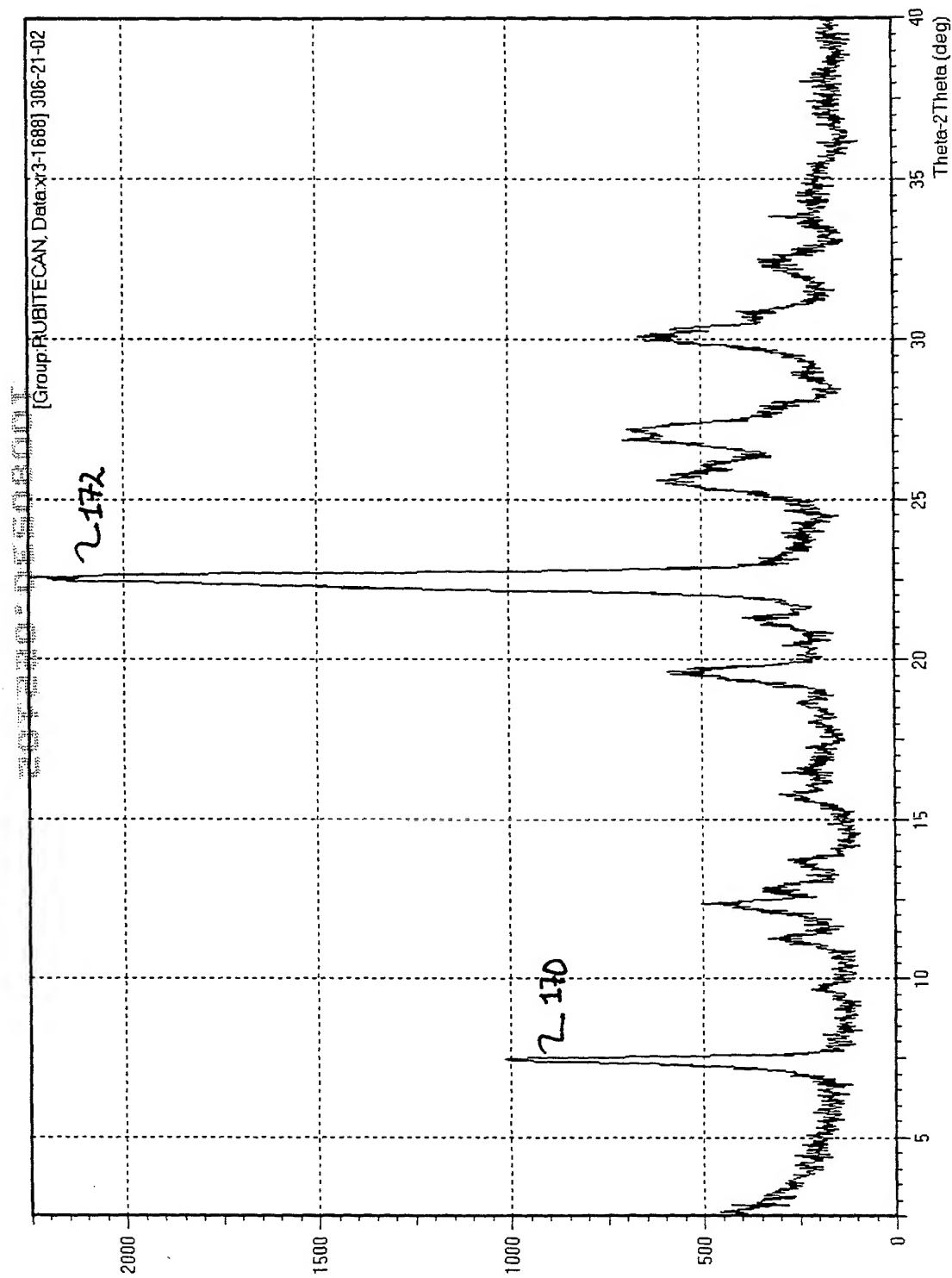


FIG. 17

DSC (bottom) and TGA (top) of Rubitecan Form E.

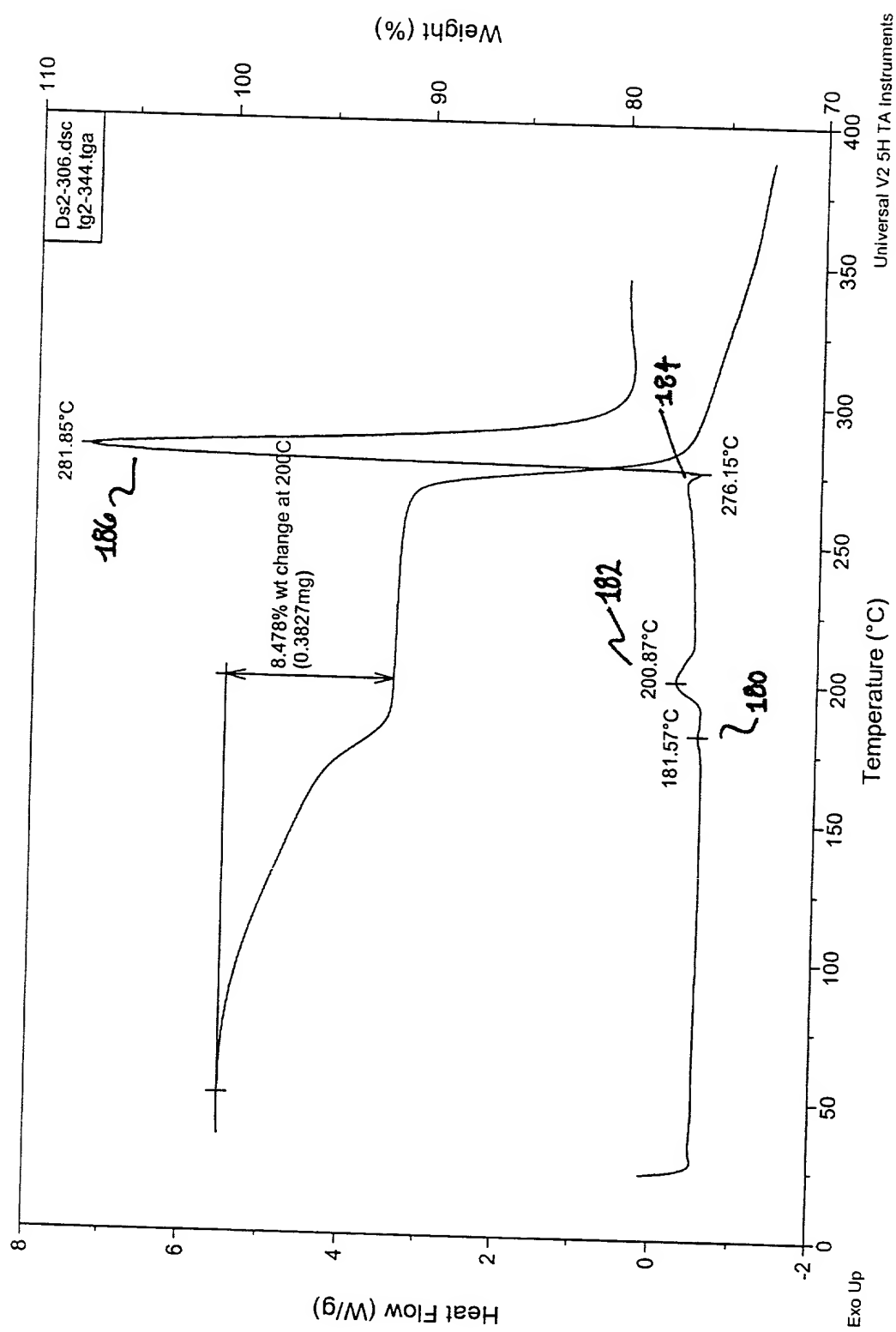


FIG. 18

201220-08503001

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:14:49 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00

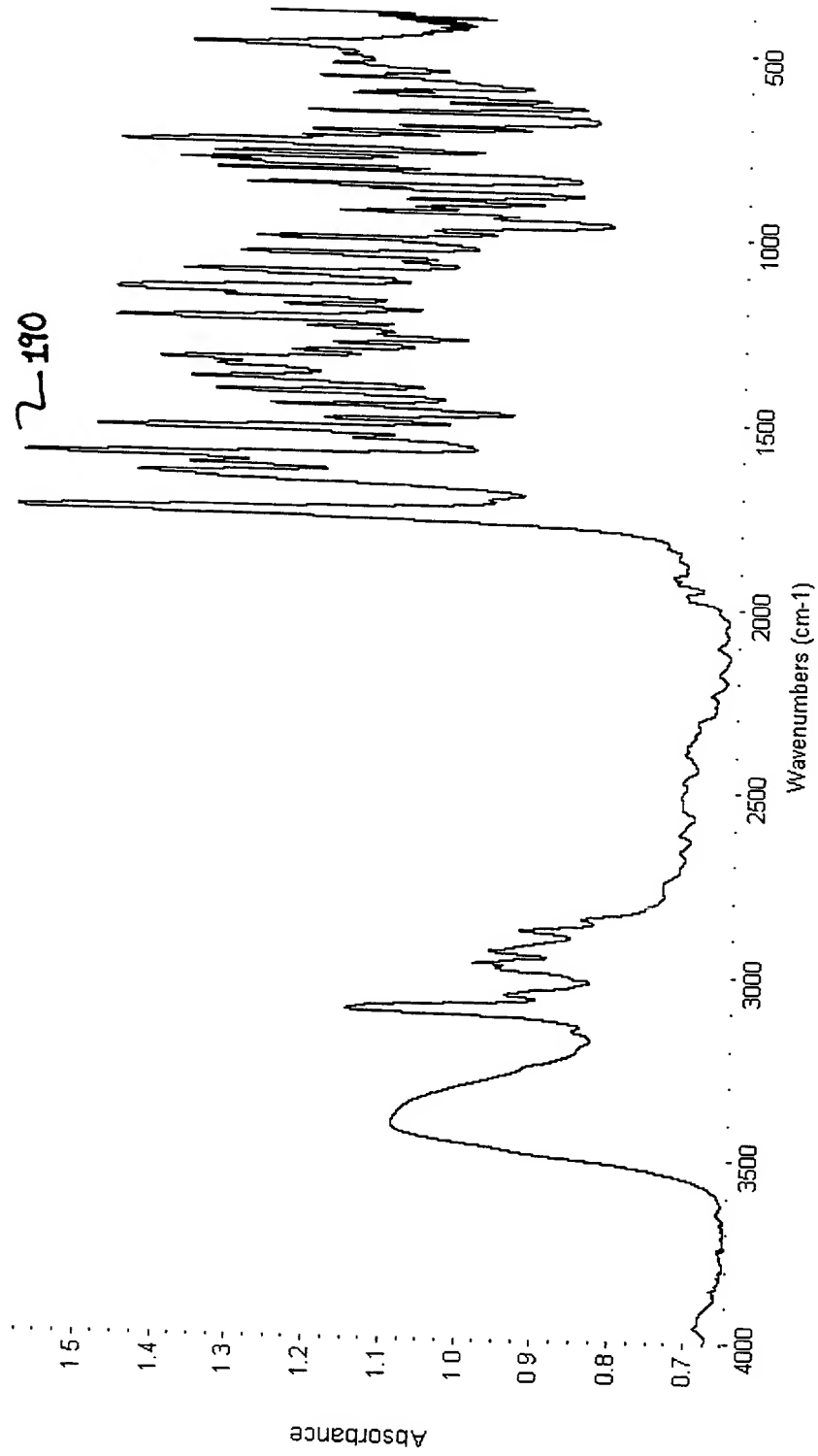


FIG. 19

201206085007

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

202

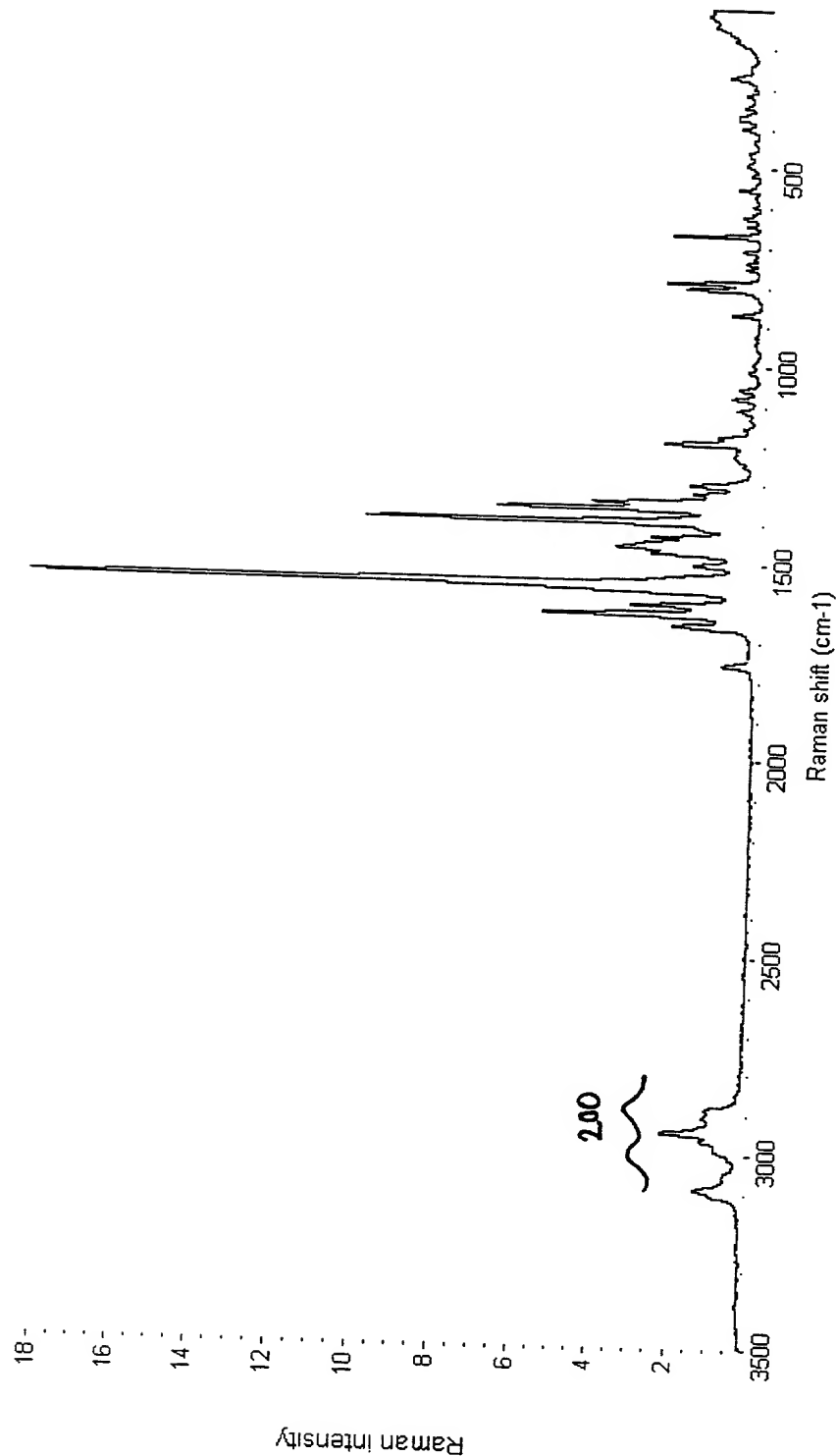


FIG. 20

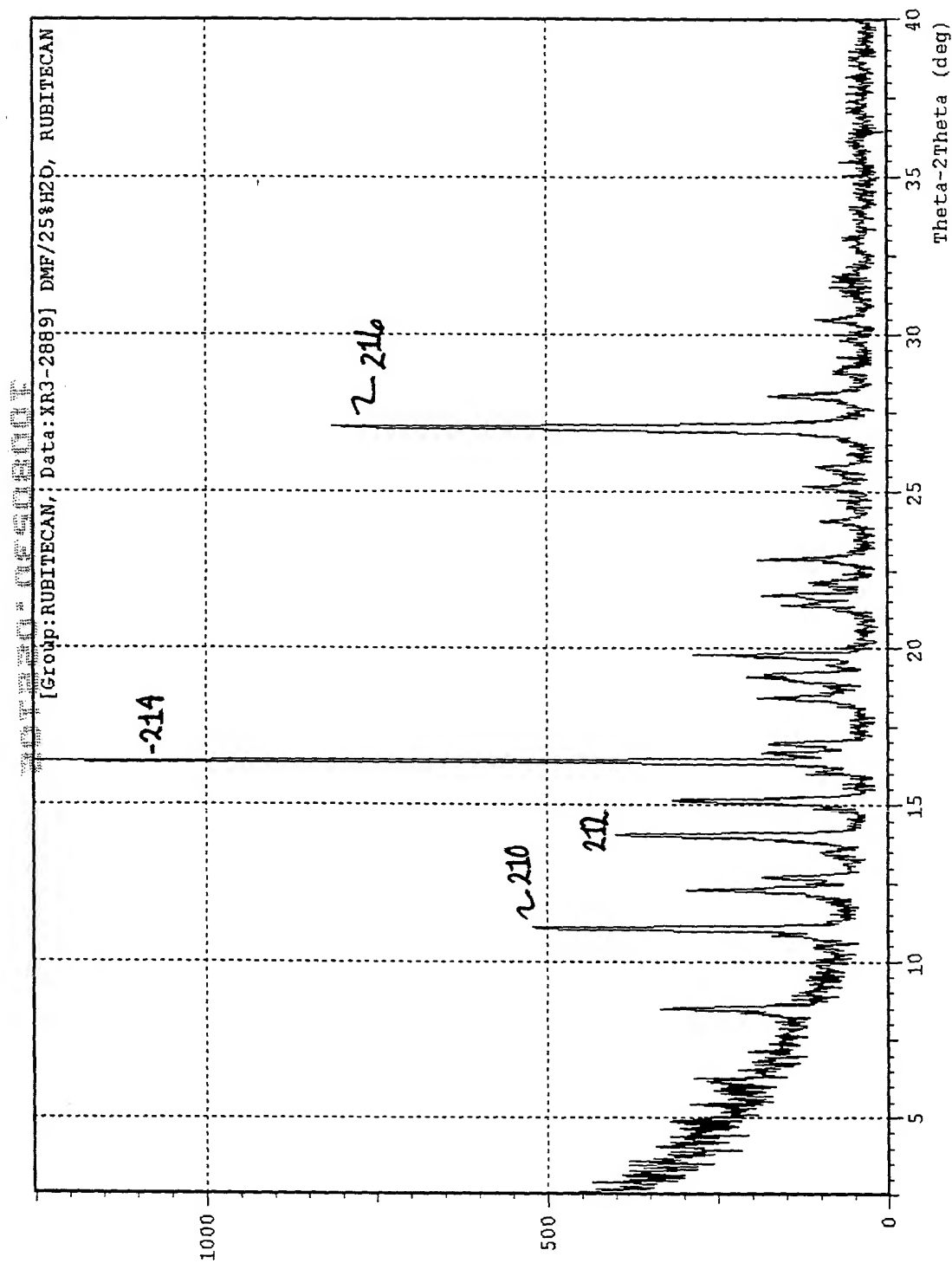


FIG. 21

TGA of Rubitecan Form F

Sample: RUBITECAN  
Size: 0.6500 mg  
Method: RUBITECAN  
Comment: SSC# 3131902, DMF/25%H<sub>2</sub>O, A VS C, NTBK 270-62

File: D:\dsc\gtg2-378.tga  
Operator: BAC  
Run Date: 4-Apr-00 10:07

TGA

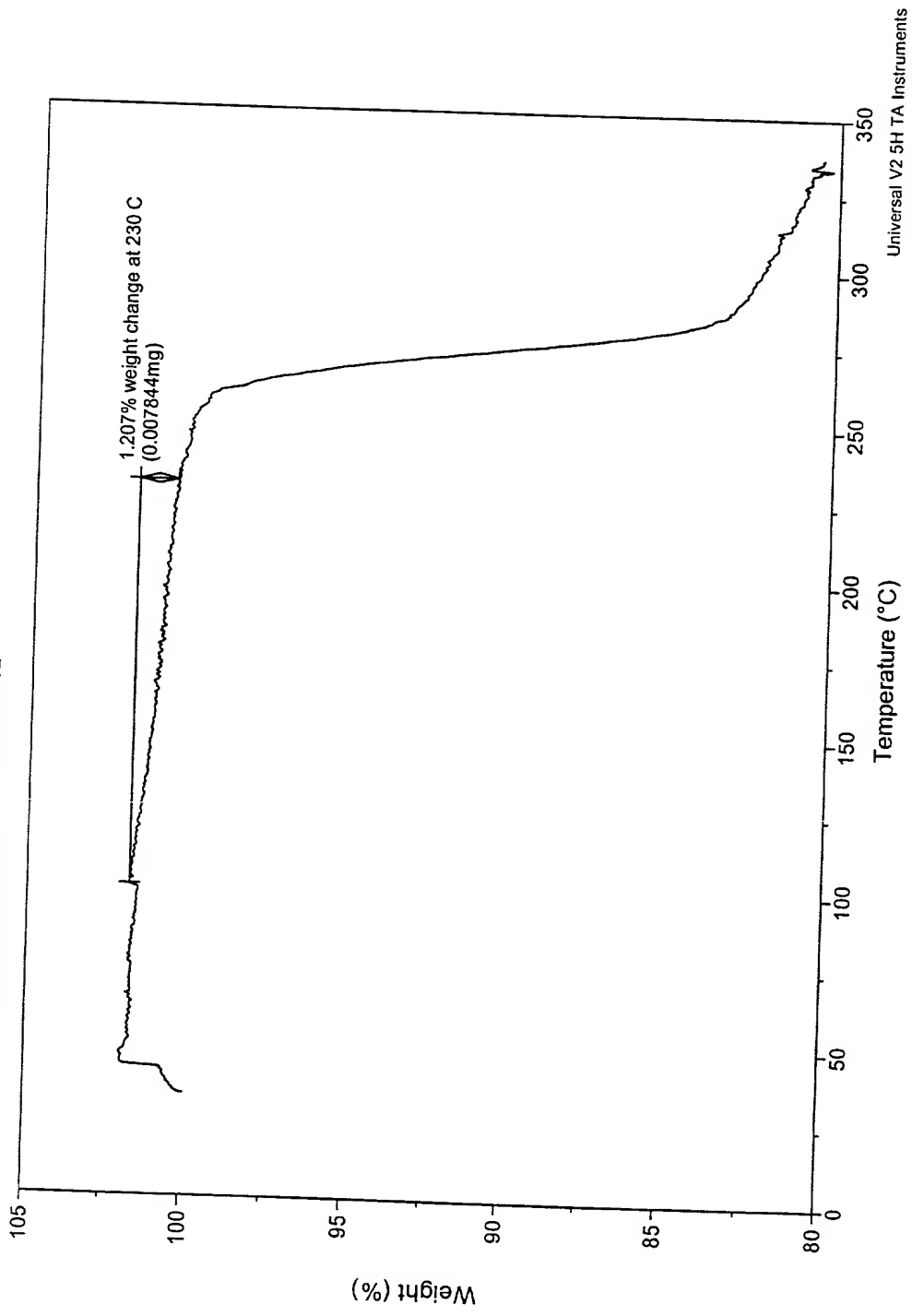


FIG. 22

2012223 065000F

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000  
Number of sample scans: 256  
Number of background scans: 256  
Resolution: 4.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 100.00

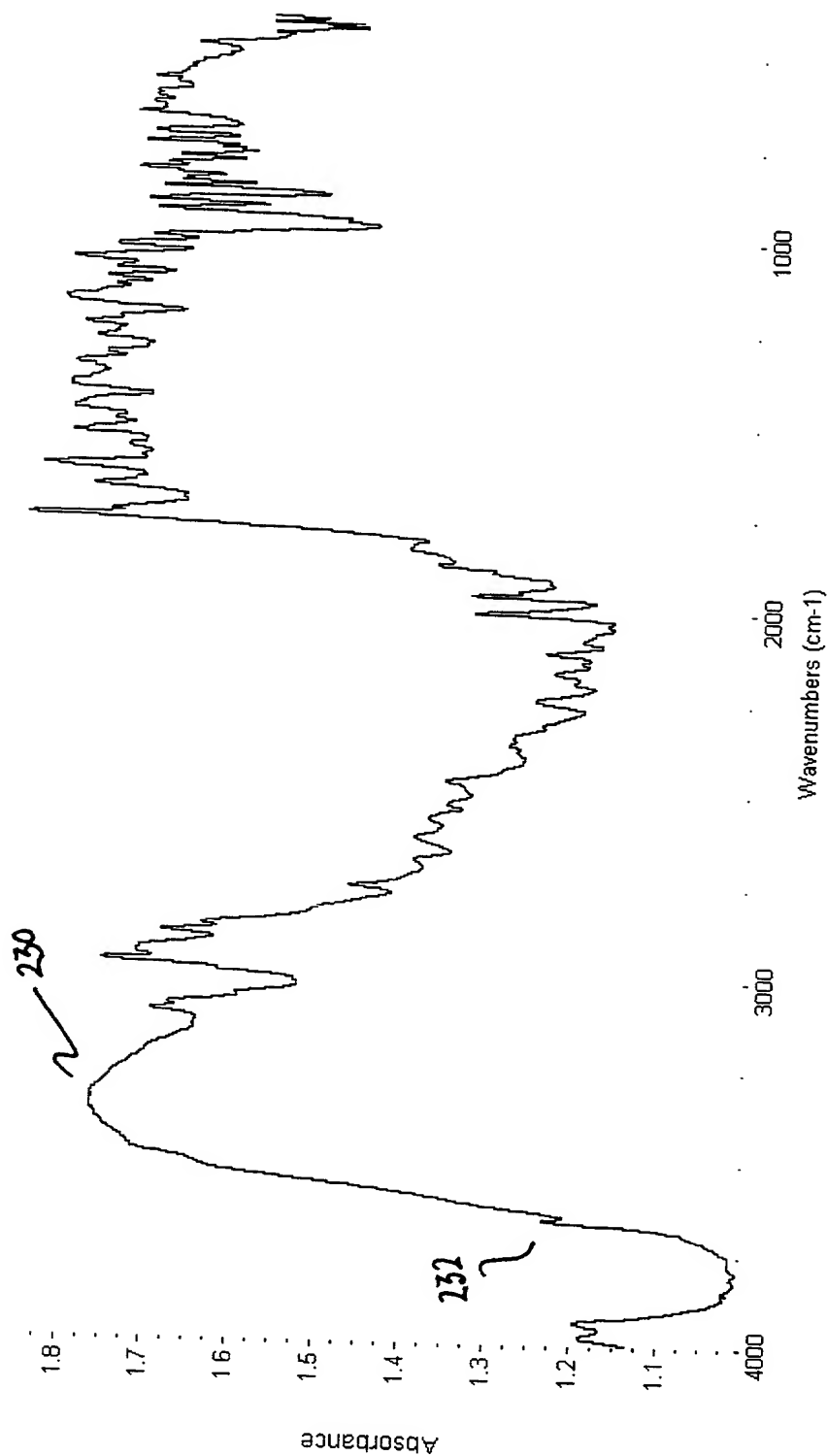


FIG. 23

20170220:06503001

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 32.0  
Mirror velocity: 0.3165  
Aperture: 59.00

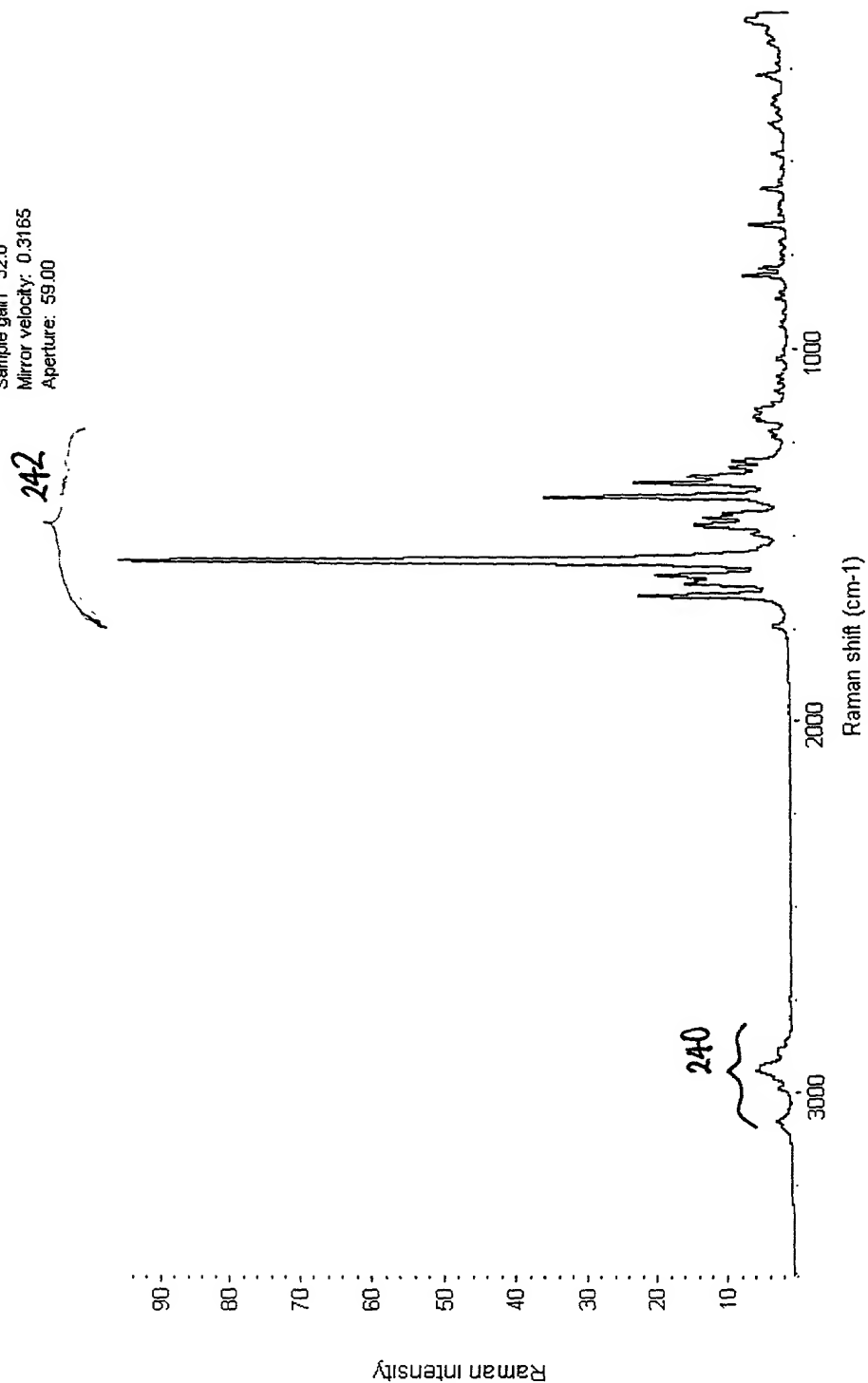


FIG. 24



004220-06308001

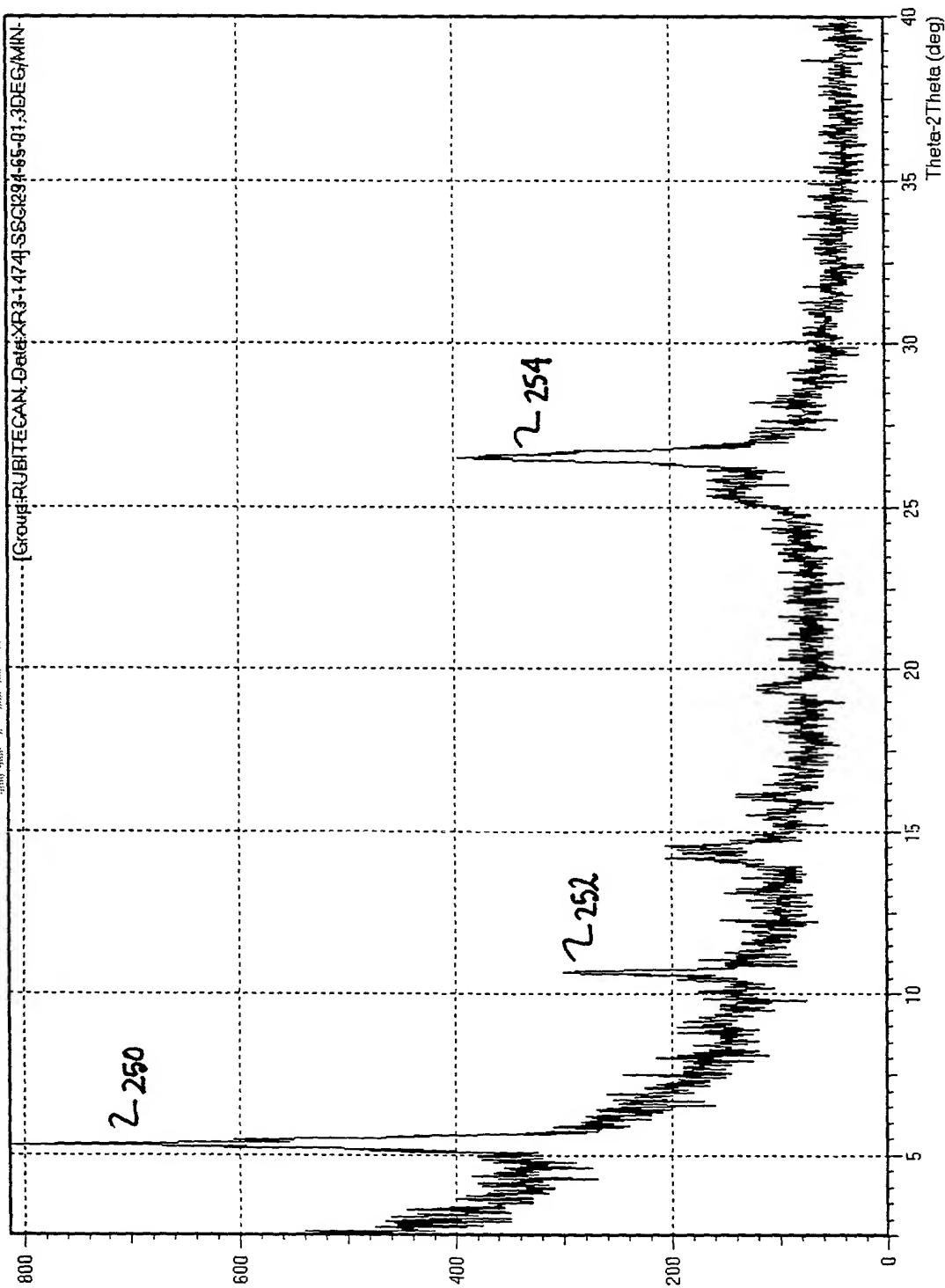


FIG. 25

# DSC (bottom) and TGA (top) of Rubitecan Form G.

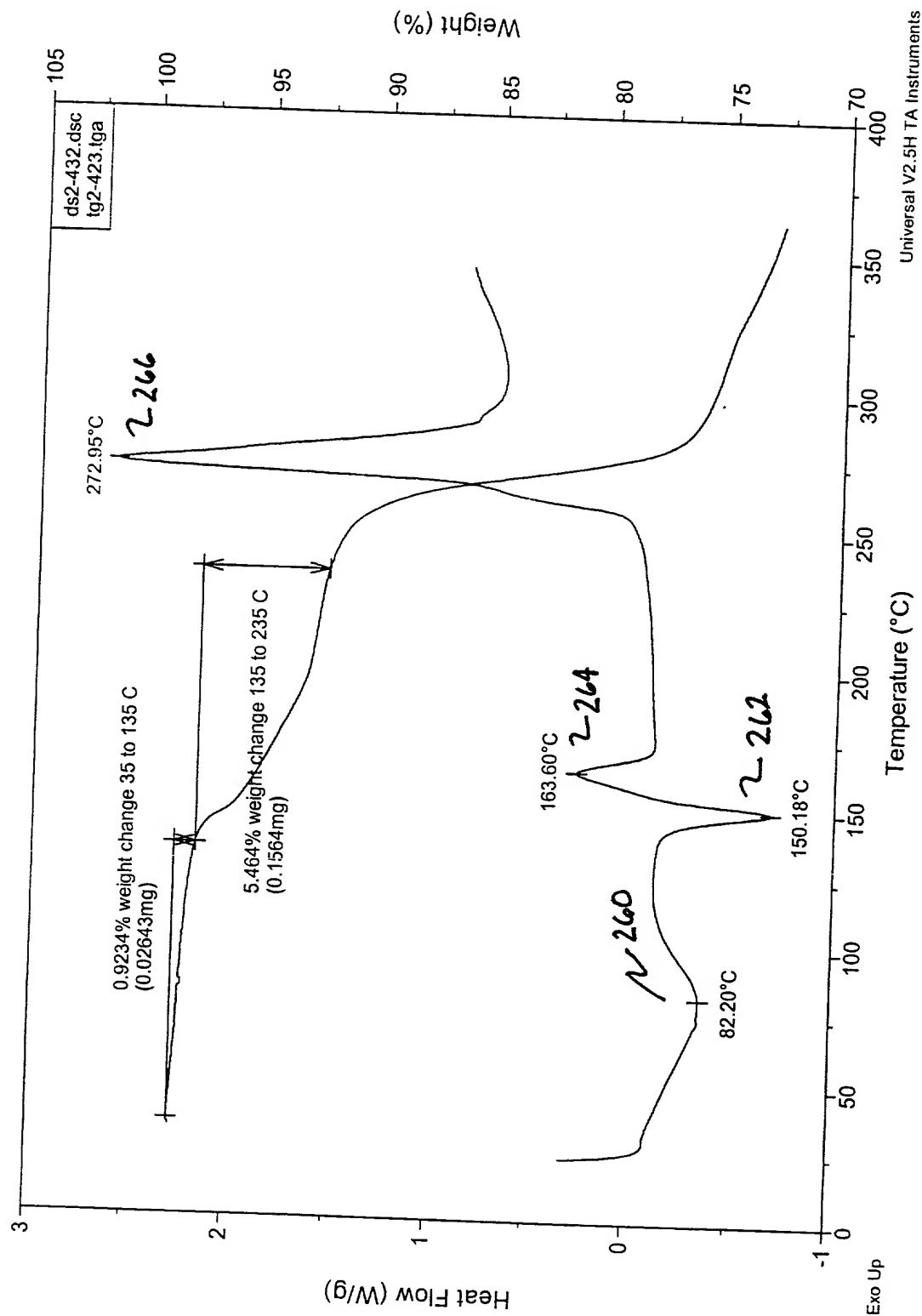


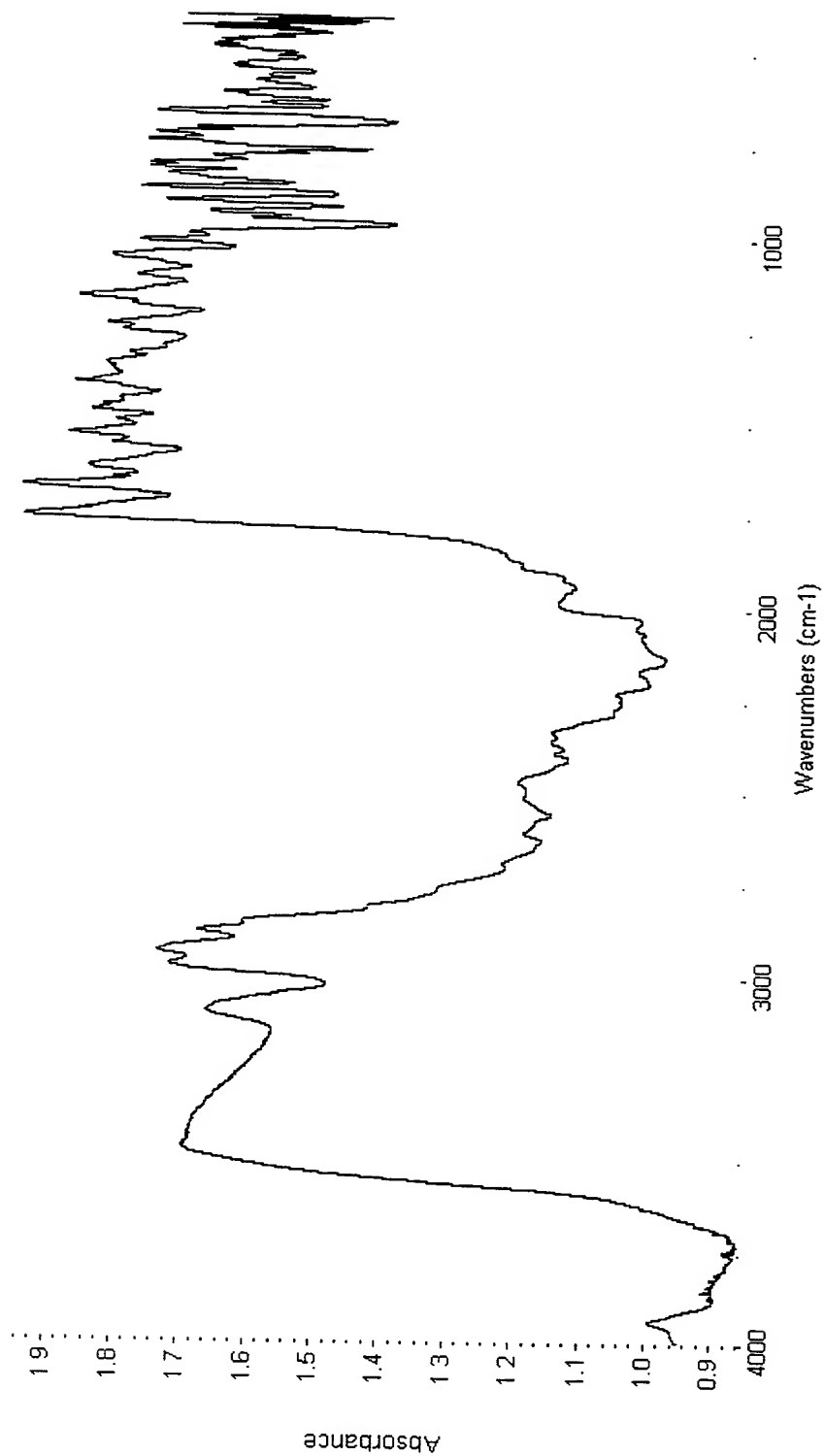
FIG. 26

04220043001

**IR Spectrum, Nicolet model 860 FT-IR**

**Acquisition Parameters**

Collection time: Thu May 18 20:28:17 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00



**FIG. 27**

20170518 09:50:50

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 4.0  
Mirror velocity: 0.3165  
Aperture: 59.46

282

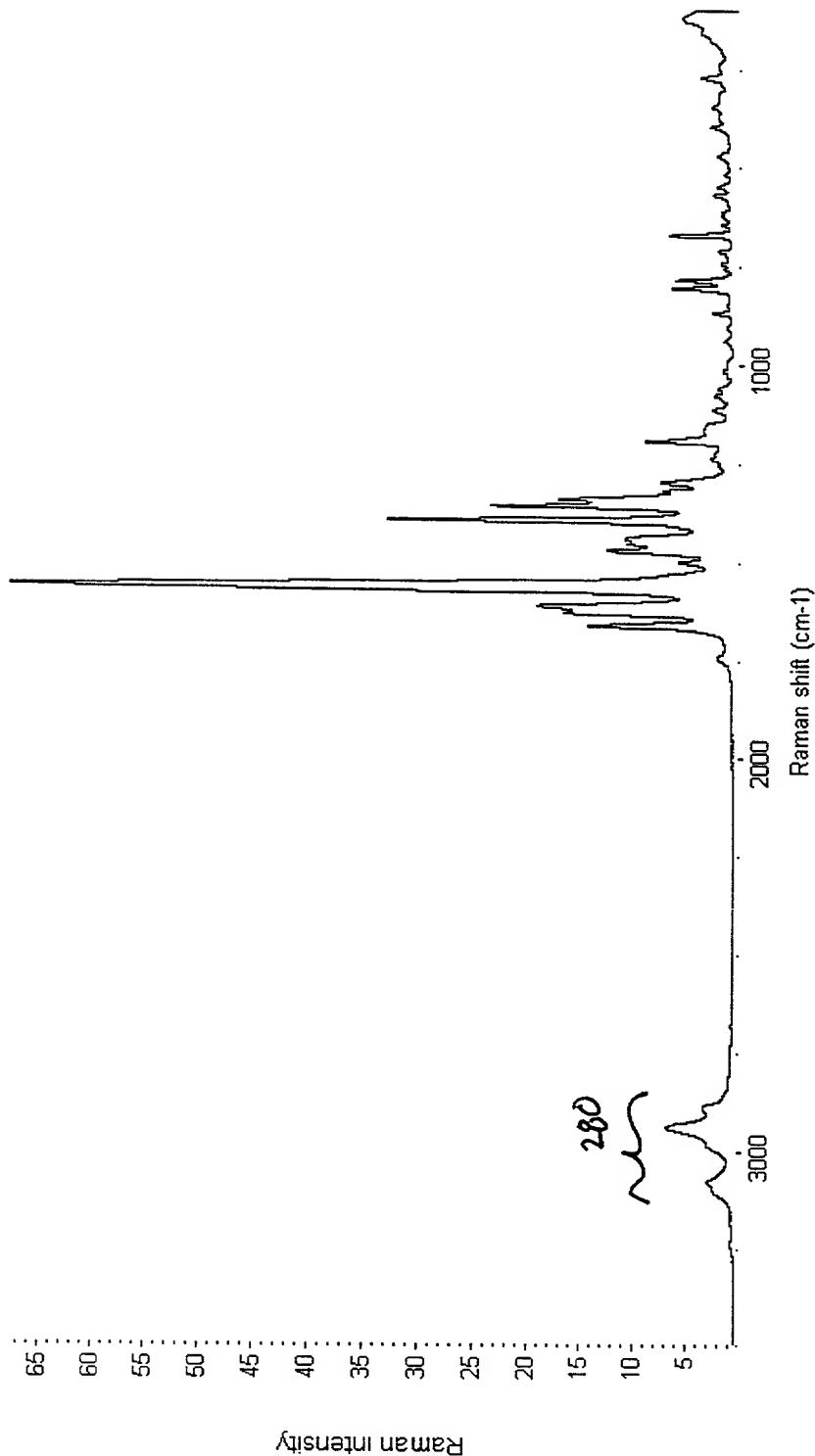


FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

\*\*\* Multi Plot \*\*\*

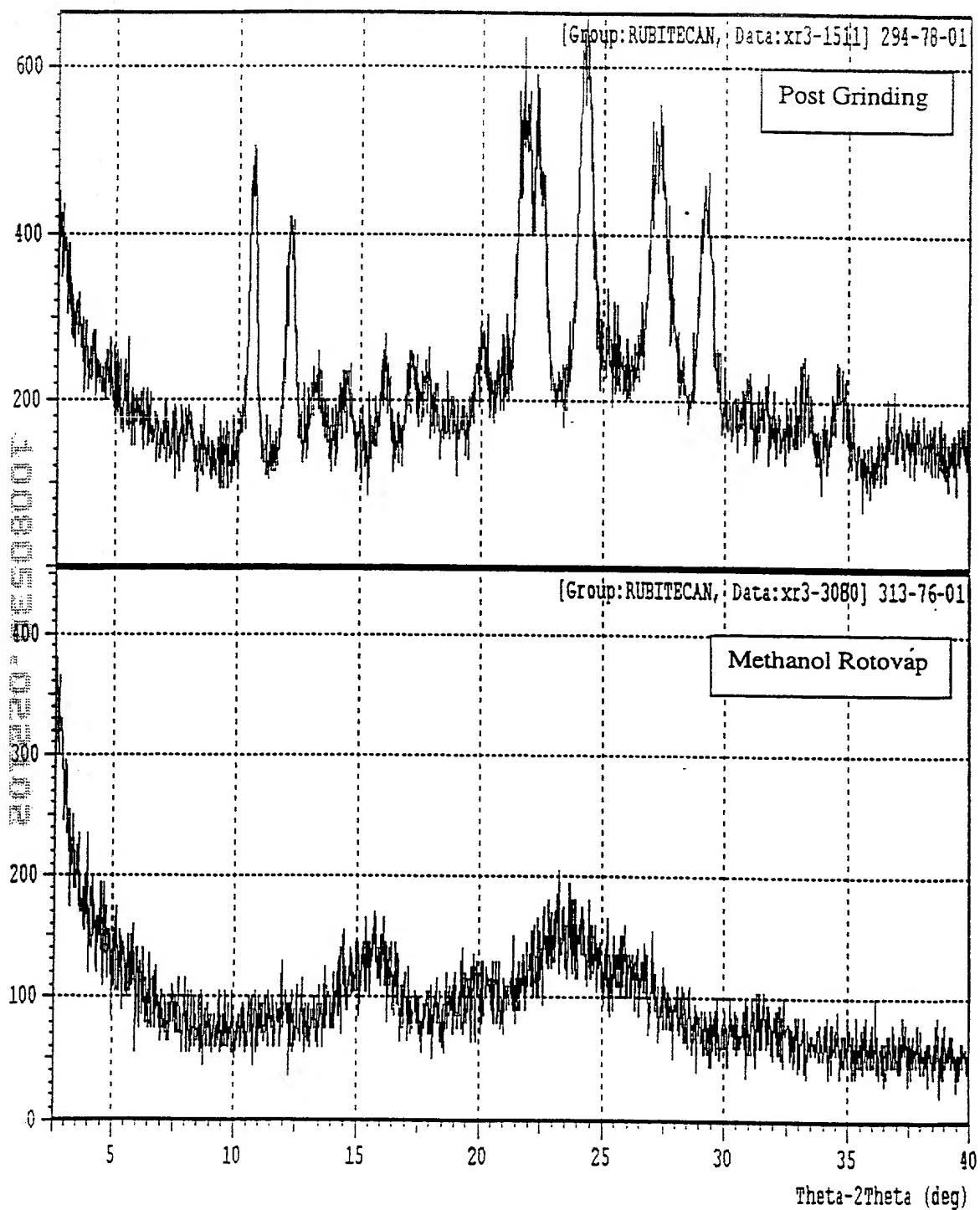


Fig. 29